



Pedo PRO

Most Versatile 810 nm with Gentle 'Pedo Pulses'. Surgery + PBM + PDT all in one!

Pedo PRO

+ Dual wave Combo Coherent Wireless Pen & Pedo DDS (Diode Docking Station)

Now with **Special Pedo Probe** for Advanced **Photobiomodulation** & Chitosan Enriched IC Green **PDT**

Complete Pediatric **Endo & Aesthetics** with **Flexi 18** & E-200
tips + **24K Gold 'Non - Peroxide'**Children's Whitening Prism





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Clinical Applications and Technical Specifications



to protect Tender Soft Tissues (Frenectomy / Frenotomy / Tongue Tie / TOTS Release / Mucocele Excision / Uncovering unerupted teeth)

PEDIATRIC PHOTOBIOMODULATION

In 'Combo Coherence' with Visible Red & Infrared wavelengths firing together (PRO⁺ Pen)

- · Pedo Trauma
- Avulsion wounds
- Lip laceration
- · Oral Ulcerations
- Facial wounds

PEDIATRIC ENDODONTICS

- PBM Pulpotomy
- · Painless Pulpectomy & Endo Analgesia
- 3D Pedo canal disinfection in 45 secs!
 Convert 95% cases to Single Visit by using FLEXI 18 or E-200 Laser Tips
- Post Obturation PBM to prevent flare-ups & / or Pain after single visit rx.

PEDIATRIC PHOTODYNAMIC THERAPY

with Nanoparticle Chitosan Enriched IC Green Dye (Industry First) for

- Failed Pulpectomies
- Dry Socket
- Bacterial / Viral / Fungal infections of the mouth and lips including Herpes

PEDIATRIC AESTHETICS & NEW GEN 'ORGANIC' TEETH WHITENING

- · Aesthetic Gingival Contouring
- · Aesthetic Gingival Depigmentation
- ZERO sensitivity 'Peroxide Free' Organic Laser Whitening with 24K Gold Gel

PEDIATRIC ORTHODONTICS

Acceleration of Tooth movement and Bone remodelling when used with any aligner / fixed ortho or expansion device



PEDIATRIC ANALGESIA in day to day procedures (from restorations to extractions) even in combination with Nitrous Oxide Sedation

Specification	Sub-Specification	Value
Standards	Conformity to International Safety Standards	CE - Medical Device Directive MDD (93/42/EEC)
	Conformity to Manufacturer's Quality Standards	ISO 9001 & ISO 13485
	Conformity Certifications for Good Manufacturing Processes	WHO - GMP
Laser Specifications	Wavelength	810 nm (6000mw)
	Photomedicine PEN (in PRO +)	810 + 650 nm Fire Together (Combo Coherence)
	Laser Classification	Class IV (4)
	Laser Console / Enclosure	GERMAN - OKW
	Laser Medium	Ga : Al: As Semiconductor Diode
	Usage Modes	Continuous Wave & GENTLE 'Pedo' pulses
DOCKING (in PRO ⁺)	NEW GEN PEDO DOCKING STATION with Multiple storage Compartments	
ACCESSORIES & CONSUMABLES (COMMON TO BOTH PRO & PRO +)	LASER WHITENING PRISM with	24K Gold 'Non Peroxide' Organic Bleach
	Photomedicine Attachment Head	Special PEDO probe for PBM / PDT
	810 nm PDT	Chitosan Nanoparticle Enriched Indo Cyanine Green
	3rd Generation Bendable	400 micron Pedo Surgical Tips
	Polyamide Tips	
	Pediatric Endo Tips	E-200 as well as Newly launched FLEXI -18 Advanced Endo Tip



How the use of a Dedicated Docking Station enhances the life of a Diode Laser?

Vibration and Shock Reduction

Dedicated carts or stands are designed to securely hold the Laser device in place. They absorb vibrations and shocks that might otherwise be transmitted to the Laser diode during movement or handling. This reduces the risk of mechanical stress, which can extend the diode's lifespan.

Stability During Operation

Laser diodes are sensitive to movement and mechanical stress during operation. A stable docking stand ensures that the Laser device remains steady, minimizing the risk of misalignment or damage to the diode due to vibrations or jostling.

Optimal Cooling

Many docking stands are designed with cooling in mind. They often have built-in ventilation systems to dissipate heat generated by the Laser diode during use. Maintaining an optimal operating temperature is crucial for the longevity of Laser diodes, as excessive heat can degrade their performance and lifespan.

Protection During Transport

When moving the Laser device, especially in institutions or clinical field applications, a dedicated cart provides a safe and secure way to transport it. This reduces the chances of physical damage to the Laser diode caused by accidental drops or bumps.

Proper Cable Management

Docking stands often include cable management systems, which prevent strain on the cables connected to the Laser device. Strain on cables can lead to premature wear and tear, and a dedicated stand ensures that cables are organized and protected.

Secure Power Supply

Docking stations provide a stable and clean place to power up the Laser diode. This reduces the risk of power fluctuations or surges that are common when Laser diodes are placed in close proximity to other dental devices due to 'electro magnetic' interferences which can harm the diode. It also prevents accidental disconnection of the power source during critical operations.

Alignment Maintenance

Some docking stands have alignment features that help maintain the proper alignment of the Laser diode with other optical components. Proper alignment is crucial for the Laser's performance and can be difficult to maintain without a stable platform.

Dust and Contaminant Protection

Depending on the environment in which the Laser diode is used, a dedicated stand can offer protection against dust, debris, water, saliva and other body contaminants (when placed on the dental chair tray) that could otherwise accumulate on the diode's optical components and degrade its performance over time.

Enhanced Organization

A docking station keeps all necessary cables and accessories neatly organized. This minimizes the risk of tangling, misplacement, or damage to the cables, which can prolong the lifespan of your Laser equipment.

Ergonomic Design & Streamlined Connectivity

Many docking stations are designed with ergonomics in mind. They often allow you to position your Laser device at a comfortable viewing or operating angle, reducing strain on your neck and back during prolonged use.

Docking stations often include additional ports and connections which simplify the process of connecting your Laser device to other peripherals or network cables.





